

## ABSTRACT

A free-space parallel optical interconnect includes a first module and a second module. The first module includes (1) a first die having an array of light sources each emitting light and (2) a first common lens for directing the light from each light source to the second module. The second module includes (1) a second die having an array of detectors and (2) a second common lens for directing the light from each light source to a corresponding detector.